

1905.

Northwich Rural District Council.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,


AND

Vital Statistics, &c.,

For the Year ending Dec. 31st, 1905.

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NORTHWICH RURAL DISTRICT.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR 1905.

Population at Census, 1901	..	..	..	..	..	..	20,923
„ Estimated to middle of 1905	..	..	..	..	..	..	23,400
Area in Acres	..	..	..	..	..	..	54,301
Birth Rate per 1,000 living	..	..	..	..	..	..	24.2
Death „ „ „ „	..	..	..	..	..	..	13.5
„ „ from seven principal Zymotic Diseases	..	..	..	..	..	..	1.1
Deaths under 1 year, to 1,000 Births	..	..	..	..	..	..	111

During 1905, the excess of births over deaths was 229 throughout the whole district, which for registration purposes has been subdivided into 4 Sub-districts.

1. WEAVERHAM, having an area of 18,000 acres, includes Acton, Barnton, Crowton, Cuddington, Delamere, Eddisbury, Hartford, Little Leigh, Oakmere, and Weaverham.
2. NORTHWICH, having an area of 10,891 acres, includes Allostock, Anderton, Cogshall, Comberbach, Leftwich, Lostock Gralam, Marbury, Marston, Nether Peover, Wincham, and Winnington.
3. OVER, having an area of 12,472 acres, includes Clive, Darnhall, Eaton, Little Budworth, Marton, Moulton, and Wimboldsley.
4. MIDDLEWICH, having an area of 12,938 acres, includes Bostock, Byley, Davenham, Kinderton, Lach Dennis, Rudheath, Stanthorne, Sproston, and Whatcroft.

The population for the Rural District was estimated to be 23,400 in the middle of the year, which is distributed amongst the four districts as follows :

Weaverham	...	9,125	} 23,400
Northwich	...	8,105	
Over	...	2,970	
Middlewich	...	3,200	

Births.—The total number of births registered during the year is 567, of which 258 are males and 309 females, giving a rate of 24·2 per 1,000. The number in each of the Sub-districts is as follows:—218 in Weaverham, 207 in Northwich, 90 in Over, and 52 in Middlewich. Twenty-seven births were of illegitimate children; equal to a rate of 1·1 per 2,000.

The birth rate shows a decrease of 1·1 upon that of 1904, and of 5·7 upon the ten years average. Table II shows the number of births in each locality, with the comparisons for the last ten years: and supplementary Table I shows the numbers of each sex in each locality.

Deaths.—The total number of deaths registered in the district during the year is 318; 147 being in Weaverham, 96 in Northwich, 44 in Over, and 31 in Middlewich. Six deaths occurred in the Infectious Diseases Hospital, 2 of which were persons not belonging to the Rural District. 38 deaths were from zymotic and septic diseases, 18 from consumption of the lungs, and 11 from consumption of other organs, 14 from cancer, 49 from diseases of the lungs other than consumption, 14 from premature birth, and twice that number from heart diseases; 30 persons died from old age, and 12 from accidents, and 2 from suicide. There were inquests held upon 22 deaths, the verdicts being drowning in 5 cases, falls in 2 cases, a kick from a horse in 1, One was hanging, and 1 overlying, while the remainder were from natural causes.

There were 9 persons belonging to the district who died in Public Institutions in other districts.

A pleasant feature in these death tables is the tendency to lessen the number of deaths under 1 year, and to increase the number of those over 65 years of age during the last few years.

The death rate is 13·5 the same as that for 1904, while the ten years average is 14·1. The birth rate is nearly double the death rate.

Illegitimacy is a strong factor in the mortality of an infant, as shown by the fact that during 1905, 27 illegitimate children were born, and 6 illegitimate children died, which is more than one-fifth of the number born. It is also of interest to know that out of the 27 illegitimate births, 15 occurred in the Northwich Sub-district, which is the most Urban in character of all the four Sub-districts. Query—Is the more crowded condition of house room in semi-urban districts more conducive to immorality?

The illegitimate birth rate is 1·1, and the illegitimate death rate is ·25.

The following list gives the particulars of each case :

<i>Sex.</i>	<i>Age.</i>	<i>Cause of Death.</i>	<i>Occupation of Mother.</i>
F. ...	22 months	... Pneumonia	... Domestic Servant
M. ...	6 „	... General Tuberculosis	„
M. ...	22 days	... Marasmus	„
M. ...	4 months	... Congestion of Lungs	„
M. ...	2 years	... Convulsions	„
F. ...	6 months	... „	„

Infantile Mortality.—Of deaths of Infants under 1 year of age there were 63, which is less than the average for the past ten years by 24. Twenty-three of these occurred in Weaverham, 24 in Northwich, 7 in Over, and 9 in Middlewich; and the numbers during the four quarters in sequence was 18, 17, 15 and 13.

The rate per 1,000 (of living persons) is 2·6, and the rate per 1,000 births is 111, *i. e.* out of every 1,000 children born 111 die before reaching one year of age, or expressing it differently 20 per cent. of all the deaths in the district are infants under 1 year old.

The tables V give a comprehensive list of the causes of these deaths, and it is remarkable that half of the deaths occur during the first month of life, and more than a third during the first week; premature birth is responsible for 13 of the deaths. The infectious diseases for 3, and diarrhœal diseases for 5, tubercular diseases 6, lung diseases 6, and wasting diseases excluding premature birth 16.

Zymotic Deaths.—The feature which strikes one in summing up the zymotic deaths is the difficulty which to include or rather which to exclude, for the advance of science shows that diseases which formerly were not considered infectious, are now found to be so, diarrhœa is an example of this, and probably many cases registered as enteritis are cases of true zymotic diarrhœa; again the septic diseases including puerperal fever are infectious, and even tubercular disease should come under this category.

The zymotic rates are usually calculated upon the seven principal zymotic diseases which are—1 smallpox, 2 measles, 3 scarlet fever, 4 diphtheria, 5 whooping cough, 6 typhus and typhoid fever, and 7 diarrhœa. The number of deaths from these causes is 27, which gives a rate of 1·1 per 1,000.

Zymotic Diseases.—The total number of these occurring in the district is 125; 44 being diphtheria, 14 erysipelas, 50 scarlet fever, 16 enteric fever, and 1 puerperal fever.

In 29 cases of diphtheria and enteric fever, bacteriological confirmation has been successfully sought in 16, and unsuccessfully in 13.

The Sub-districts contributed to this total as follows:—Weaverham 70, Northwich 36, Over 12, and Middlewich 7. 37 were removed to Hospital.

Scarlet Fever.—The 50 cases of this disease were fairly wide spread, 20 being in Northwich, 20 in Weaverham, 9 in Over, and only 1 in Middlewich. The disease was of a very mild character and no deaths were recorded. 19 were removed to Hospital.

Diphtheria.—The history of this disease is much sadder than that of scarlet fever, for out of the 44 cases notified 10 deaths occurred.

The Sub-district of Weaverham suffered the most, 29 of the notifications and 7 of the deaths coming from that region, a percentage of deaths which is very heavy. The Townships of Barnton and Weaverham contributing the bulk of the cases.

The disease has become endemic throughout the district, but during the middle of the year a small but virulent epidemic occurred in Sandiway district, the origin of which was unquestionably an unnotified case which attended the Sandiway Schools.

There were twelve cases notified in two days, and 3 were dead either before or very shortly after the notifications were received, and all were children from 9 to 11 years of age; 3 were removed to the Hospital including 1 fatal case. Some 18 days later another case was notified from Sandiway, which was removed to Hospital; after 15 days another case was notified. As soon as the outbreak occurred, the Schools were closed and thoroughly disinfected. All houses where infected children resided were disinfected and regularly supervised, and all drains and cesspools cleansed and disinfected also. Sandiway and district remained free for 3 months after this; then 2 cases occurred in Cuddington and 1 in Marton, the latter proving fatal after removal to Hospital. After a period of 7 weeks another case occurred in Sandiway, which was removed to Hospital and proved fatal, this brought the close of the year.

The number of fatalities is exceptional, especially so when the ages of the children is taken into account, for age is a factor towards recovery, and in these days of Antitoxin the percentage of deaths need not be so high. If only parents and guardians of children will call in a doctor when the "sore throat" first shows itself a death might be quite the exception, for antitoxin if given early and in sufficient doses (I repeat early and in sufficient doses) is a specific, and very, very rarely would a child die of diphtheria.

Measles.—Periodical epidemics of this disease sweep over the district, and it is not the trifling ailment which unfortunately the public is disposed to treat it, as is shown by the 5 deaths from the complaint.

The Infant School, Comberbach, was closed for a period of 3 weeks in February, for an outbreak of measles, and was very efficacious in stopping its spread. The district has on the whole suffered less than usual this year.

Whooping Cough caused 3 deaths, its prevalence has not been very extensive so far as can be judged.

Infectious Diseases Hospital.—The buildings at Marbury were in use up to the 1st of October, after which date the New Joint Hospital at Leftwich has been utilized.

In the Marbury Hospital there were 12 cases of smallpox at the beginning of the year. From January 1st to October 1st there were 26 fresh cases admitted, making a total of 38 treated; of these 36 were discharged cured, and 2 died.

Diphtheria.—Of this disease 9 cases were admitted, 4 from Barnton, 3 from Sandiway, 1 from Oakmere, and 1 from Winnington.

Enteric Fever.—Of this disease 5 cases were admitted, Barnton and district sending one each, and Weaverham 3. Scarlet fever contributed 11 of the cases, Hartford sending 5, Barnton 3, Moulton, Marston and Marbury each 1; one case of erysipelas was sent in from the Union Workhouse. To the Joint Hospital at Leftwich since its opening on October 1st, this Rural district has sent 12 cases, of which 9 have been discharged cured, 1 has died, and 2 remain in hospital at the end of the year.

These 12 cases were composed of 2 sufferers from diphtheria, both from Sandiway, 2 from enteric fever, 1 from Barnton, 1 from Lostock Gralam; the remaining 8 were scarlet fever, Barnton sending 2, Marston 2, Leftwich 2, and Hartford and Acton Bridge each one.

Dwelling-houses.—Plans for 46 new houses have been passed, and for additions to 6 existing houses, also for 1 new school at Barnton not yet begun, for additions to 3 other schools at Barnton, Comberbach and Weaverham, for 1 slaughter house, and 1 farm shippens.

On the other hand 11 houses have been condemned by the Medical Officer as unfit for human habitation, 4 being in Lostock Gralam, and 7 in Weaverham; of these 2 have been demolished and re-placed by 3 new houses, 2 repaired, and 7 are in course of re-construction.

In the Rural Districts there is a demand for good cottages, the present ones are often much overcrowded owing to their small size, they are frequently insanitary and very damp, but condemnation of these is useless because it does not lead to re-construction as that does not pay: they become derelict and are demolished and the tenants have nowhere to go except the towns, which means loss

of employment. I cannot believe that condemning an insanitary house, which will mean semi-starvation to the occupiers, is a public health measure of any utility.

In Mid-Cheshire if only freehold land could be secured at a reasonable figure, the population of the country would soon increase, or rather I should perhaps express it that the depopulation would cease.

If some of the great landowners would dispose of the fringes, only the fringes of their estates, and put the money back into the remaining portion, they would then have an estate which although smaller would be infinitely more valuable than at present, and they would be permanent benefactors of their kind.

Under part III of the housing act of 1890, Rural District Councils have power (after enquiry by the County Council) to acquire land compulsorily, as provided in the Lands Clauses Consolidation Act, 1845, and no leases, settlement, entail or other private agreement can debar them.

They can acquire land either inside or outside the district, at the "fair market value," with an allowance (generally 10 per cent.) for compulsory purchase.

In dispute a single arbitrator appointed by the Local Government Board has the settling of the matter.

The Rural or Urban District Council having acquired land may either lease it to companies, or builders, or working-men, for the erection of workmen's dwellings, or they may themselves erect lodging houses, cottages, block tenements, or they may purchase and improve or re-construct existing lodging houses, dwellings or cottages, or they can provide gardens.

Why should they not? That there is need for houses for the people is self-evident, and if only the people knew that this power was in their hands they would soon demand its exercise; let us hope that they soon will know, and end the overcrowding in small insanitary dwellings which so many are compelled to put up with for want of anything better.

Factories and Workshops.—The total number of these on the register is 123, of which 25 were bakehouses, only one underground bakehouse being in the district.

These have been regularly inspected and kept in sanitary order, and regularly limewashed as required. 22 notices have been issued regarding insanitary conditions which have all been remedied, and the conditions existing throughout the district are on the whole good.

Water Supplies.—There are public water supplies in 23

Townships, and these have been maintained in a high state of efficiency.

At Bostock, a supply has been established for the Village at the cost of the property owner, the water being pumped by a wind-mill into an elevator service tank.

At Barnton there has been considerable extension of the water mains, and larger pumps have been fixed for increasing the supply.

Analysis of 11 samples of water have been submitted to the County Analyst, 9 being pump-wells of which 4 were certified as being bad, one was closed upon a Justice's Order, 1 had a new well substituted, and 2 are being dealt with. Of the remaining 2 samples, one was from Sandiway Water Works and certified a pure water, the other from Wheelock Brook was certified bad and unfit for cattle to drink; this was laid before the County Council who found there was no remedy.

Dairies Order.—Under this Order 5 Farms have been registered making the total 408.

The work of bringing up old shippens to the requirements of the regulations has been carried on with perseverance, and is leading to considerable improvement in this direction.

Slaughter-houses.—There are 21 of these on the register, and they have been maintained as required by the regulations; one has been added during the year.

Canal Boats.—52 have been inspected, 30 of them had defects remedied and certified accordingly.

Scavenging.—In 9 Townships viz.:—Lostock, Weaverham, Wincham, Marston, Barnton, Anderton, Moulton, Davenham, and Leftwich, there is a public scheme in operation, the remaining Villages and Townships are dealt with by the individual owners. Taken on the whole this work is efficiently performed.

Sewerage.—In 14 Townships there are sewerage schemes, and during the year 700 yards of main sewers have been laid, draining 58 houses in Davenham, 1 in Leftwich, and new works are in progress at Barnton.

Nuisances.—Statutory notices to abate nuisances at 70 houses and 1 works (smoke nuisance) and 1 school have been served. In all cases the nuisances have been abated, and only one Justices Order obtained.

Summonses to Sessions for firing chimneys have been served in 3 instances, and small fines imposed.

HENRY EDWARD GOUGH,

Medical Officer of Health.

February 6th, 1906.

TABLE I.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		* DEATHS AT ALL AGES. TOTAL.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents reg- istered beyond District.	DEATHS AT ALL AGES. NETT.	
		Number	Rate.*	Number	Rate per 1,000 Births regis- tered.	Number	Rate.*				Number	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	22,747	772	33'9	107	138	383	16'8	...	...	...	...	...
1896	22,501	834	37'0	105	126	342	15'4	...	6	...	336	14'9
1897	22,768	781	34'3	111	144	370	16'6	...	10	2	362	15'8
1898	22,568	686	30'4	106	154	345	15'8	...	14	2	333	14'7
1899	22,826	612	26'8	88	143	329	14'8	...	12	2	319	13'9
1900	23,500	636	27'0	69	108	299	12'7	...	3	6	302	12'8
1901	22,174	620	27'9	89	143	287	12'8	2	...	5	292	13'1
1902	22,280	603	27'6	72	119	276	12'3	...	...	6	282	12'6
1903	22,650	625	27'5	68	108	247	10'4	4	...	13	260	11'4
1904	23,175	588	25'3	61	103	313	13'5	8	3	5	315	13'5
Averages for years 1895-1905.	22,718	675	29'9	87	128	319	14'1	...	...	...	...	...
1905	23,400	567	24'2	63	111	311	13'2	6	2	9	318	13.5

*Rates in columns 4, 8 and 13, calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 54,301.

Total population at all ages, 20,923.	}	At Census of 1901.
Number of inhabited houses, 4,485.		
Average number of persons per house, 4'6.		

Institutions within the District receiving sick and infirm persons from outside the District	}	Infectious Hospital at Marbury.
		.. .. Leftwich.

Institutions outside the District receiving sick and infirm persons from the District	}	Union Workhouse, Northwich.
		Victoria Infirmary, Northwich.
		Royal Infirmary, Manchester.
		Albert Infirmary, Winsford.

TABLE II.

NAMES OF LOCALITIES.	WEAVERHAM.					NORTHWICH.					OVER.					MIDDLEWICH.				
	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.	Population esti- mated to middle of each Year.	Births Registered.	Deaths at all Ages.	Deaths under one Year.
YEAR.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1895	8613	284	163	40	8352	292	143	48	3083	99	40	11	2699	97	37	8	2699	97	37	8
1896	8561	299	137	44	8092	363	126	38	3089	88	46	15	2759	83	39	8	2759	83	39	8
1897	8671	295	143	28	8174	303	155	57	3133	92	45	14	2810	91	35	15	2810	91	35	15
1898	8944	252	135	31	7741	282	139	47	2991	76	45	16	2893	76	38	2	2893	76	38	2
1899	8940	248	120	28	7835	226	130	40	3003	80	45	13	3048	58	34	7	3048	58	34	7
1900	9093	232	137	32	8046	233	102	26	3086	83	36	6	3278	88	24	5	3278	88	24	5
1901	8612	255	111	38	7695	218	98	32	3061	69	39	8	3050	78	39	11	3050	78	39	11
1902	8616	211	99	19	7712	227	96	37	2880	88	51	5	3074	77	36	11	3074	77	36	11
1903	8760	257	103	24	7860	230	89	25	2900	68	36	10	3130	70	32	9	3130	70	32	9
1904	9060	220	137	20	8010	198	95	24	2940	89	39	10	3165	84	42	7	3165	84	42	7
Averages of Years 1895 to 1905.	8787	255	128	30	7951	257	117	37	3016	83	42	10	2990	80	35	8	2990	80	35	8
1905	9125	218	147	23	8105	207	96	24	2970	90	44	7	3200	52	31	9	3200	52	31	9

TABLE III.

Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.						NUMBER OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						
	At all Ages.	AT AGES—YEARS.					WEAVERHAM. 1	NORTHWICH. 2	OVER. 3	MIDDLEWICH. 4	5	6	WEAVERHAM. 1	NORTHWICH. 2	OVER. 3	MIDDLEWICH. 4	5	6	7
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.														65 and upwards.
Small-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	44	1	3	35	4	1	29	10	1	4	...	...	10	1	...	...	...	...	...
Membranous croup .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	14	...	1	...	...	13	10	1	2	1	...	...	...	...	...	...	...	...	...
Scarlet fever.....	50	...	14	30	5	1	20	20	9	1	...	...	...	5	2	...	...	...	...
Typhus fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric fever	16	...	...	5	5	5	10	5	...	1	...	...	4	3	...	...	...	...	...
Relapsing fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Plague .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	125	1	18	70	14	21	70	36	12	7	...	...	26	9	2	...	...	...	...

TABLE IV.

Causes of, and Ages at, Death during the Year 1905.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	WEAVERHAM.	NORTHWICH.	OVER.	MIDDLEWICH.		
Small-pox	1	..	..	..	..	1	..	..	1	..	..	..	1
Measles	5	1	4	..	..	..	..	..	5	..	..	..	..
Scarlet fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping-cough	3	2	1	..	..	..	..	..	2	..	1	..	..
Diphtheria and mem- branous croup	10	..	2	8	..	..	..	7	..	1	2	..	5
Croup	1	..	1	..	..	..	..	..	1	..	..	..	..
Fever { Typhus .....	..	..	..	..	..	..	..	..	..	..	..	..	..
{ Enteric	2	..	..	..	1	1	..	1	1	..	..	..	..
{ Other continued.	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	3	..	..	..	..	3	..	2	..	..	1	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhœa.....	5	3	1	..	..	..	1	4	..	1	..	..	..
Enteritis	3	2	1	..	..	..	..	1	1	..	1	..	..
Puerperal fever	2	..	..	..	..	2	..	2	..	..	..	..	..
Erysipelas	1	1	..	..	..	..	..	1	..	..	..	..	..
Other septic diseases.....	2	..	1	..	..	1	..	2	..	..	..	..	..
Phthisis	18	..	1	2	3	10	2	7	7	3	1	..	..
Other tubercular diseases..	11	5	1	1	1	3	..	4	5	2	..	..	..
Cancer, malignant disease.	14	..	..	..	..	5	9	7	6	..	1	..	..
Bronchitis	23	2	2	1	..	5	13	10	8	5	..	..	..
Pneumonia	24	3	9	1	..	8	3	10	4	5	5	..	..
Pleurisy .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Other diseases of respira- tory organs	2	..	1	..	..	1	..	1	..	1	..	..	..
Alcoholism—Cirrhosis of liver	2	..	..	..	..	2	..	1	1	..	..	..	..
Venereal diseases	2	1	..	..	..	1	..	..	1	..	1	..	..
Premature birth.....	14	14	..	..	..	..	..	7	3	..	4	..	..
Diseases and accidents of Parturition	1	..	..	..	..	1	..	1	..	..	..	..	..
Heart diseases	28	..	..	..	..	16	12	15	5	6	2	..	..
Accidents	12	2	..	..	2	6	2	4	4	1	3	..	..
Suicides	2	..	..	..	..	2	..	1	..	1	..	..	..
Old Age	30	..	..	..	..	..	30	13	9	7	1	..	..
Convulsions	8	6	2	..	..	..	..	2	4	2	..	..	..
Marasmus	8	8	..	..	..	..	..	3	4	..	1	..	..
All other causes	81	13	4	3	2	29	30	41	24	9	7	..	..
All causes	318	63	31	16	9	97	102	147	96	44	31	..	6

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uncertified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases :																	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria : Croup..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoeal Diseases :																	
Diarrhoea, all forms..	..	..	..	..	..	..	..	I	..	..	I	..	..	..	..	..	2
Enteritis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	I	I	..	..	..	..	..	..	..	..	..	..	..	I
Wasting Diseases :																	
Premature Birth	6	I	..	..	7	..	..	..	..	..	..	..	..	..	..	..	7
Congenital Defects ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth	I	..	..	..	I	..	..	..	..	..	..	..	..	..	..	..	I
Want of Breast-milk ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	5	..	I	..	6	I	..	..	..	..	..	..	..	..	..	..	7
Tuberculous Diseases :																	
Tuberculous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peritonitis : Tabes Mesenterica ....	..	..	..	I	I	..	..	..	..	..	..	..	..	..	..	..	I
Other Tuberculous Diseases .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	I
Syphilis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(not Tuberculous) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions .....	..	..	..	..	..	I	..	..	..	..	..	..	..	..	..	..	I
Bronchitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia .....	..	..	..	..	..	..	I	..	..	..	..	..	..	..	..	..	I
Suffocation, over-laying .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes .....	..	..	..	..	..	..	..	..	I	..	..	..	..	..	..	..	I
	12	I	I	2	16	2	I	I	I	..	I	..	I	..	..	..	23

District (or sub-division) of Weaverham.

Births in the year { legitimate—212.
 illegitimate—6.

Population Estimated to middle of
1905—9,125.

Deaths from all Causes at all Ages—147.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES :																	
Certified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uncertified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases :																	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	I
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria : Croup..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough.....	..	..	..	..	..	I	..	..	..	..	..	..	..	..	..	..	I
Diarrhœal Diseases :																	
Diarrhœa, all forms..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases :																	
Premature Birth	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
Congenital Defects ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	3	..	..	I	4	..	2	..	I	..	..	..	..	..	..	..	7
Tuberculous Diseases :																	
Tuberculous Meningitis .....	..	..	..	..	..	..	..	..	..	I	..	..	I	..	..	..	2
Tuberculous Peritonitis : Tabes Mesenterica ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases .....	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..	..	I
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis .....	..	..	..	..	..	I	..	..	..	..	..	..	..	..	..	..	I
Rickets .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (not Tuberculous) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	2	..	..	..	2	..	I	..	..	..	..	..	..	..	..	..	3
Bronchitis .....	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..	I
Laryngitis .....	..	..	..	I	I	..	..	..	..	..	..	..	..	..	..	..	I
Pneumonia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	I	I
Suffocation, over-laying	I	..	..	..	I	..	I	..	..	..	..	..	..	..	..	..	2
Other Causes .....	..	..	I	..	I	..	..	..	..	..	..	..	..	..	..	..	I
	8	..	I	2	II	2	4	..	I	I	I	I	2	..	..	I	24

District or (sub-division) of Northwich.

Births in the year	{ legitimate—192. illegitimate—15.	Population Estimated to middle of 1905—8,105.
Deaths from all Causes at all Ages—96.		

Deaths from all Causes at all Ages—96.

TABLE V.
INFANTILE MORTALITY DURING THE YEAR 1905.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified
Uncertified
Common Infectious Diseases:																	
Small-pox
Chicken-pox
Measles
Scarlet Fever
Diphtheria : Croup..
Whooping Cough.....
Diarrhœal Diseases:																	
Diarrhœa, all forms..	I	..	..	..	..	..	..	..	..	..	I
Enteritis	}
(not Tuberculous)	
Gastritis, Gastro-intestinal Catarrh)
Wasting Diseases:																	
Premature Birth
Congenital Defects
Injury at Birth
Want of Breast-milk..
Atrophy, Debility, Marasmus
Tuberculous Diseases:																	
Tuberculous	}	I	..	..	..	I
Meningitis
Tuberculous Peritonitis : Tabes	}
Mesenterica
Other Tuberculous Diseases	I	..	..	..	..	I
Erysipelas
Syphilis
Rickets
Meningitis	}
(not Tuberculous)
Convulsions	I	..	..	..	I	..	..	2
Bronchitis	I	I
Laryngitis
Pneumonia
Suffocation, over-laying
Other Causes	I	..	..	..	..	..	..	..	..	..	I
	2	..	..	I	..	I	I	I	..	I	7

District (or sub-division) of Over.

Births in the year { legitimate—87.
 illegitimate—3.
Deaths from all Causes at all Ages—44.
Population Estimated to middle of 1905—2,970.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES :																	
Certified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uncertified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases :																	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria : Croup..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough.....	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	I
Diarrhœal Diseases :																	
Diarrhœa, all forms..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteritis)																	
(not Tuberculous) }	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh }	..	..	..	..	..	..	..	..	I	..	..	..	..	..	..	..	I
Wasting Diseases :																	
Premature Birth	4	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	4
Congenital Defects ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast-milk ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility,)																	
Marasmus	I	..	..	..	I	..	..	..	..	..	..	..	..	..	..	..	I
Tuberculous Diseases :																	
Tuberculous)																	
Meningitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Peri-)																	
tonitis : Tabes }	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mesenterica ....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous)																	
Diseases .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rickets .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis)																	
(not Tuberculous) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bronchitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia .....	..	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	I
Suffocation, over-)																	
laying .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes .....	..	..	..	..	..	..	..	..	..	..	..	I	..	..	..	..	I
	5	..	..	..	5	..	..	..	I	..	..	I	2	..	..	..	9

District or (sub-division) of Middlewich.

Births in the year	{ legitimate—49. illegitimate—3.	Population Estimated to middle of 1905—3,200.
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Deaths from all Causes at all Ages—31.

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES:																	
Certified .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uncertified	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Common Infectious Diseases :																	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria : Croup..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough....	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	2
Diarrhœal Diseases :																	
Diarrhœa, all forms..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	3
Enteritis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh }	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	2
Wasting Diseases :																	
Premature Birth	12	1	..	..	13	..	..	..	..	..	..	..	..	..	..	..	13
Congenital Defects ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Injury at Birth	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Want of Breast-milk..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atrophy, Debility, Marasmus	9	..	1	1	11	1	2	..	1	..	..	..	..	..	..	..	15
Tuberculous Diseases :																	
Tuberculous Meningitis .....	..	..	..	..	..	..	..	..	..	1	..	..	2	..	..	..	3
Tuberculous Peritonitis : Tabes	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1
Mesenterica .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases .....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	2
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Syphilis .....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Rickets .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (not Tuberculous) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Convulsions	2	..	..	..	2	1	1	..	..	1	..	..	..	1	..	..	6
Bronchitis .....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2
Laryngitis .....	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1
Pneumonia .....	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	1	3
Suffocation, over-laying	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	2
Other Causes .....	..	..	1	..	1	..	1	..	1	..	..	1	..	..	..	..	4
	25	1	2	4	32	4	7	1	3	2	2	3	6	1	..	2	63

District of Northwich Rural.

Births in the year

{legitimate—540.
illegitimate—27.

Population Estimated to middle of
1905—23,400.

Deaths from all Causes at all Ages—318.

SUPPLEMENTARY TABLE I.—BIRTHS.

Rural Sanitary District of	1st QUARTER.				2nd QUARTER.				3rd QUARTER.				4th QUARTER.				TOTALS FOR YEAR.			
	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate	M	F	Tot'l	Rate
Weaverham	21	41	62		23	25	48		29	25	54		31	23	54		104	114	218	
Northwich	33	32	65		26	31	57		26	21	47		17	21	38		102	105	207	
Over	6	9	15		9	16	19		5	21	26		16	14	30		36	54	90	
Middlewich	6	5	11		11	16	27		4	4	8		5	11	16		16	36	52	
Totals for Quarters...	66	87	153	26.1	69	82	151	25.8	64	71	135	23.0	69	69	138	23.5	258	309	567	24.2
Births of Illegitimate Children																				

SUPPLEMENTARY TABLE II.—DEATHS.

	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Totals for Year.	Rate.
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.		
Weaverham	49	21.4	26	11.5	41	17.9	31	13.5	147	16.9
Northwich	36	17.7	26	12.8	13	6.4	21	10.3	96	11.8
Over	13	17.5	11	14.8	9	12.1	11	14.8	44	14.8
Middlewich	10	12.5	9	11.2	6	7.5	6	7.5	31	9.6
Whole District..	108	18.4	72	12.3	69	11.7	69	11.7	318	13.5

Factories, Workshops, Laundries, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries).	..	..	..
Workshops (Including Workshop Laundries).	122	14	..
Workplaces .. .. .	..	..	..
Homeworkers' Premises	1	..	..
Total	123	14	..

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts :*</i>				
Want of cleanliness .. .. .	..	..	..	..
Want of ventilation .. .. .	..	..	..	..
Overcrowding	6	6	..	..
Want of drainage of floors	7	7	..	..
Other nuisances	4	4	..	..
†Sanitary Accommodations {	insufficient .. .. .	..	..	..
	unsuitable or defective ..	5	5	..
	not separate for sexes ..	..	..	..
<i>Offences under the Factory and Workshop Act :</i>				
Illegal occupation of underground bake-house (S. 101) .. .. .	..	..	..	..
Breach of special sanitary requirements for bakehouses (SS. 97 to 100). ..	..	..	..	..
Failure as regard lists of outworkers (S. 107)	..	..	..	..
Giving out work to { unwholesome (S. 108)	..	..	..	..
be done in premises { which are { infected (S. 110) ..	..	..	..	..
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109) .. .. .	..	..	..	..
Other offences .. .. .	..	..	..	..
Total	22	22	..	..

*Including those specified in Sections 2, 3, 7 and 8, of the Factory Act as remediable under the Public Health Acts.

†For districts not in London state here whether Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so, what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

Class.								Number.	
Matters notified to H.M. Inspector of Factories :									
Failure to affix Abstract of the Factory and Workshops Act (S. 133) .. .. .								....
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5) {									
Notified by H.M. Inspector ..								....
Reports (of action taken) sent to H.M. Inspectors..								....
Other .. .. .								....
Underground Bakehouses (S. 101) :									
In use during 1603								I	
Certificates granted { in 1904								0	
in 1905								I	
In use at the end of 1904									
								Number of	
Homework :									
List of Outworkers* (S. 107) :								Lists.	Out-workers.
Lists received								I	I
Addresses of Outworkers { forwarded to other Authorities ..								....
received from other Authorities ..								I	
Homework in unwholesome or infected premises :								Wearing Apparel.	Other.
Notices prohibiting homework in unwholesome premises (S.108)								..	..
Cases of Infectious disease notified in homeworkers' premises..								..	..
Orders prohibiting homework in infected premises (S. 110) ..								..	..
Workshops on the Register (S. 131) at the end of 1905 :								198	
Important classes of work-shops, such as workshop bakehouses, may be enumerated here. { Bakehouses								25	
Total number of workshops on Register ..								123	

* The Lists should be received twice in the year. The year's figures required in the Table are then obtained by adding together the two half-yearly totals.



